Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/12/2022 09:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124255	-1	1.41	124164	1.39
Blue	F	SSC	125000	122167	-3	2.65	122638	2.55
Blue	E	FITC	14284	13755	-4	2.28	385	13.78
Blue	D	PE	23919	23700	-1	1.70	563	10.54
Blue	B	PerCP-Cy5-5	31332	30642	-3	2.96	874	15.04
Blue	A	PE-Cy7	22272	22208	-1	4.94	460	30.39
Red	C	APC	47768	47087	-2	2.57	1624	11.28
Red	A	APC-Cy7	25313	24573	-3	2.89	694	12.01
Violet	B	V450	7085	6783	-5	3.41	473	10.90
Violet	A	V500	26969	25918	-4	2.99	889	8.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23775	2.86	582	-7	N/A	N/A	Pass
Blue	F	SSC	54796	2.07	520	-1	N/A	N/A	Pass
Blue	E	FITC	57	51.89	491	-10	0.0378	0	Pass
Blue	D	PE	110	38.51	489	-8	0.3854	272	Pass
Blue	B	PerCP-Cy5-5	138	41.27	577	-11	0.0193	52	Pass
Blue	A	PE-Cy7	77	79.62	625	-10	0.0227	2	Pass
Red	C	APC	337	25.78	572	-8	0.0295	210	Pass
Red	A	APC-Cy7	130	34.64	545	-10	0.0068	1616	Pass
Violet	B	V450	80	44.87	449	-14	0.0626	2182	Pass
Violet	A	V500	105	28.17	460	-14	0.0259	459	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.73	-31.45	1.05
Blue	20.34	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	15.58	13.90 - 20.86	N/A	N/A	29.86	30.10	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 14630

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments